

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/717,294DATE: 12/04/97
TIME: 15:08:55

INPUT SET: S21914.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information
4
5 (i) APPLICANT: SEED, BRIAN
6 HAAS, JURGEN
7
8 (ii) TITLE OF THE INVENTION: HIGH LEVEL EXPRESSION OF
9 PROTEINS
10
11 (iii) NUMBER OF SEQUENCES: 110
12
13 (iv) CORRESPONDENCE ADDRESS:
14 (A) ADDRESSEE: Clark & Elbing LLP
15 (B) STREET: 176 Federal Street
16 (C) CITY: Boston
17 (D) STATE: MA
18 (E) COUNTRY: USA
19 (F) ZIP: 02110
20
21 (v) COMPUTER READABLE FORM:
22 (A) MEDIUM TYPE: Diskette
23 (B) COMPUTER: IBM Compatible
24 (C) OPERATING SYSTEM: DOS
25 (D) SOFTWARE: FastSEQ for Windows Version 2.0
26
27 (vi) CURRENT APPLICATION DATA:
28 (A) APPLICATION NUMBER: 08/717,294
29 (B) FILING DATE: 20-SEP-1996
30 (C) CLASSIFICATION:
31
32 (vii) PRIOR APPLICATION DATA:
33 (A) APPLICATION NUMBER:
34 (B) FILING DATE:
35
36 (viii) ATTORNEY/AGENT INFORMATION:
37 (A) NAME: Elbing, Karen L
38 (B) REGISTRATION NUMBER: 35,238
39 (C) REFERENCE/DOCKET NUMBER: 00786/345001
40
41 (ix) TELECOMMUNICATION INFORMATION:
42 (A) TELEPHONE: 617-428-0200
43 (B) TELEFAX: 617-428-7045
44 (C) TELEX:
45
46

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47 (2) INFORMATION FOR SEQ ID NO:1:

48

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 24 base pairs

51 (B) TYPE: nucleic acid

52 (C) STRANDEDNESS: single

53 (D) TOPOLOGY: linear

54

55 (ii) MOLECULE TYPE: Other

56

57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

58

59 CGCGGGCTAG CCACCGAGAA GCTG

24

60

61 (2) INFORMATION FOR SEQ ID NO:2:

62

63 (i) SEQUENCE CHARACTERISTICS:

64 (A) LENGTH: 195 base pairs

65 (B) TYPE: nucleic acid

66 (C) STRANDEDNESS: single

67 (D) TOPOLOGY: linear

68

69 (ii) MOLECULE TYPE: Other

70

71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

72

73 ACCGAGAAGC TGTGGGTGAC CGTGTACTAC GGCCTGCCCC TGTGGAAGAG AGGCCACCAC 60

74 CACCCTGTTC TGCGCCAGCG ACGCCAAGGC GTACGACACC GAGGTGCACA ACGTGTGGGC 120

75 CACCCAGGCG TCGTGCCCA CCGACCCCAA CCCCCAGGAG GTGGAGCTCG TGAACGTGAC 180

76 CGAGAACTTC AACAT 195

77

78 (2) INFORMATION FOR SEQ ID NO:3:

79

80 (i) SEQUENCE CHARACTERISTICS:

81 (A) LENGTH: 34 base pairs

82 (B) TYPE: nucleic acid

83 (C) STRANDEDNESS: single

84 (D) TOPOLOGY: linear

85

86 (ii) MOLECULE TYPE: Other

87

88 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

89

90 CCACCATGTT GTTCTTCCAC ATGTTGAAGT TCTC

34

91

92 (2) INFORMATION FOR SEQ ID NO:4:

93

94 (i) SEQUENCE CHARACTERISTICS:

95 (A) LENGTH: 33 base pairs

96 (B) TYPE: nucleic acid

97 (C) STRANDEDNESS: single

98 (D) TOPOLOGY: linear

99

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100 (ii) MOLECULE TYPE: Other
101
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
103
104 GACCGAGAAC TTCAACATGT GGAAGAACAA CAT 33
105
106 (2) INFORMATION FOR SEQ ID NO:5:
107
108 (i) SEQUENCE CHARACTERISTICS:
109 (A) LENGTH: 192 base pairs
110 (B) TYPE: nucleic acid
111 (C) STRANDEDNESS: single
112 (D) TOPOLOGY: linear
113
114 (ii) MOLECULE TYPE: Other
115
116 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
117
118 TGGAAGAACA ACATGGTGA GCAGATGCAT GAGGACATCA TCAGCCTGTG GGACCAGAGC 60
119 CTGAAGCCCT GCGTGAAGCT GACCCCTGT GCGTGACCTG AACTGCACCG ACCTGAGGAA 120
120 CACCACCAAC ACCAACACAG CACCGCCAAC AACAAACAGCA ACAGCGAGGG CACCATCAAG 180
121 GGCGGCGAGA TG 192
122
123 (2) INFORMATION FOR SEQ ID NO:6:
124
125 (i) SEQUENCE CHARACTERISTICS:
126 (A) LENGTH: 33 base pairs
127 (B) TYPE: nucleic acid
128 (C) STRANDEDNESS: single
129 (D) TOPOLOGY: linear
130
131 (ii) MOLECULE TYPE: Other
132
133 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
134
135 GTTGAAGCTG CAGTTCTTCA TCTCGCCGCC CTT 33
136
137 (2) INFORMATION FOR SEQ ID NO:7:
138
139 (i) SEQUENCE CHARACTERISTICS:
140 (A) LENGTH: 31 base pairs
141 (B) TYPE: nucleic acid
142 (C) STRANDEDNESS: single
143 (D) TOPOLOGY: linear
144
145 (ii) MOLECULE TYPE: Other
146
147 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
148
149 GAAGAACTGC AGCTTCAACA TCACCACCAG C 31
150
151 (2) INFORMATION FOR SEQ ID NO:8:
152

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153 (i) SEQUENCE CHARACTERISTICS:
154 (A) LENGTH: 195 base pairs
155 (B) TYPE: nucleic acid
156 (C) STRANDEDNESS: single
157 (D) TOPOLOGY: linear
158
159 (ii) MOLECULE TYPE: Other
160
161 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
162
163 AACATCACCA CCAGCATCCG CGACAAGATG CAGAAGGAGT ACGCCCTGCT GTACAAGCTG 60
164 GATATCGTGA GCATCGACAA CGACAGCACC AGCTACCGCC TGATCTCCTG CAACACCAGC 120
165 GTGATCACCC AGGCCTGCCC CAAGATCAGC TTCGAGCCCA TCCCCATCCA CTACTGCGCC 180
166 CCCGCCGGCT TCGCC 195
167
168 (2) INFORMATION FOR SEQ ID NO:9:
169
170 (i) SEQUENCE CHARACTERISTICS:
171 (A) LENGTH: 30 base pairs
172 (B) TYPE: nucleic acid
173 (C) STRANDEDNESS: single
174 (D) TOPOLOGY: linear
175
176 (ii) MOLECULE TYPE: Other
177
178 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
179
180 GAACTTCTTG TCGGCGGCGA AGCCGGCGGG 30
181
182 (2) INFORMATION FOR SEQ ID NO:10:
183
184 (i) SEQUENCE CHARACTERISTICS:
185 (A) LENGTH: 47 base pairs
186 (B) TYPE: nucleic acid
187 (C) STRANDEDNESS: single
188 (D) TOPOLOGY: linear
189
190 (ii) MOLECULE TYPE: Other
191
192 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
193
194 GCGCCCCCGC CGGCTTCGCC ATCCTGAAGT GCAACGACAA GAAGTTC 47
195
196 (2) INFORMATION FOR SEQ ID NO:11:
197
198 (i) SEQUENCE CHARACTERISTICS:
199 (A) LENGTH: 198 base pairs
200 (B) TYPE: nucleic acid
201 (C) STRANDEDNESS: single
202 (D) TOPOLOGY: linear
203
204 (ii) MOLECULE TYPE: Other
205

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206 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
207
208 GCCGACAAGA AGTTCAGCGG CAAGGGCAGC TGCAAGAACG TGAGCACCGT GCAGTGCACC 60
209 CACGGCATCC GGCCGGTGGT GAGCACCCAG CTCCTGCTGA ACGGCAGCCT GGCCGAGGAG 120
210 GAGGTGGTGA TCCGCAGCGA GAACTTCACC GACAACGCCA AGACCATCAT CGTGCACCTG 180
211 AATGAGAGCG TGCAGATC 198
212
213 (2) INFORMATION FOR SEQ ID NO:12:
214
215 (i) SEQUENCE CHARACTERISTICS:
216 (A) LENGTH: 34 base pairs
217 (B) TYPE: nucleic acid
218 (C) STRANDEDNESS: single
219 (D) TOPOLOGY: linear
220
221 (ii) MOLECULE TYPE: Other
222
223 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
224
225 AGTTGGGACG CGTGCAGTTG ATCTGCACGC TCTC 34
226
227 (2) INFORMATION FOR SEQ ID NO:13:
228
229 (i) SEQUENCE CHARACTERISTICS:
230 (A) LENGTH: 30 base pairs
231 (B) TYPE: nucleic acid
232 (C) STRANDEDNESS: single
233 (D) TOPOLOGY: linear
234
235 (ii) MOLECULE TYPE: Other
236
237 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
238
239 GAGAGCGTGC AGATCAACTG CACGCGTCCC 30
240
241 (2) INFORMATION FOR SEQ ID NO:14:
242
243 (i) SEQUENCE CHARACTERISTICS:
244 (A) LENGTH: 120 base pairs
245 (B) TYPE: nucleic acid
246 (C) STRANDEDNESS: single
247 (D) TOPOLOGY: linear
248
249 (ii) MOLECULE TYPE: Other
250
251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
252
253 AACTGCACGC GTCCCAACTA CAACAAGCGC AAGCGCATCC ACATCGGCCC CGGGCGCGCC 60
254 TTCTACACCA CCAAGAACAT CATCGGCACC ATCCTCCAGG CCCACTGCAA CATCTCTAGA 120
255
256 (2) INFORMATION FOR SEQ ID NO:15:
257
258 (i) SEQUENCE CHARACTERISTICS:

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SEQUENCE VERIFICATION REPORT
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Error

Original Text